REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. 1 is changed to Fig 1A, Fig. 1B, Fig.1C, etc., the specification, at the Brief Description of the Drawing, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawings.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Drawings - 37 CFR 1.85

File new drawings with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Reveiw Branch.

2. Timing for Corrections

Applicant is required to submit **acceptable** corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37).

Failure to take corrective action within set period will result in **ABANDONMENT** of the Application.

3. Corrections other than Defects Noted by the Drawing Review Branch on the Form PTO-948

All changes to the drawings, other than defects noted by the Drawing Review Branch, **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted other than correction of defects, unless the examiner has approved the proposed changes.

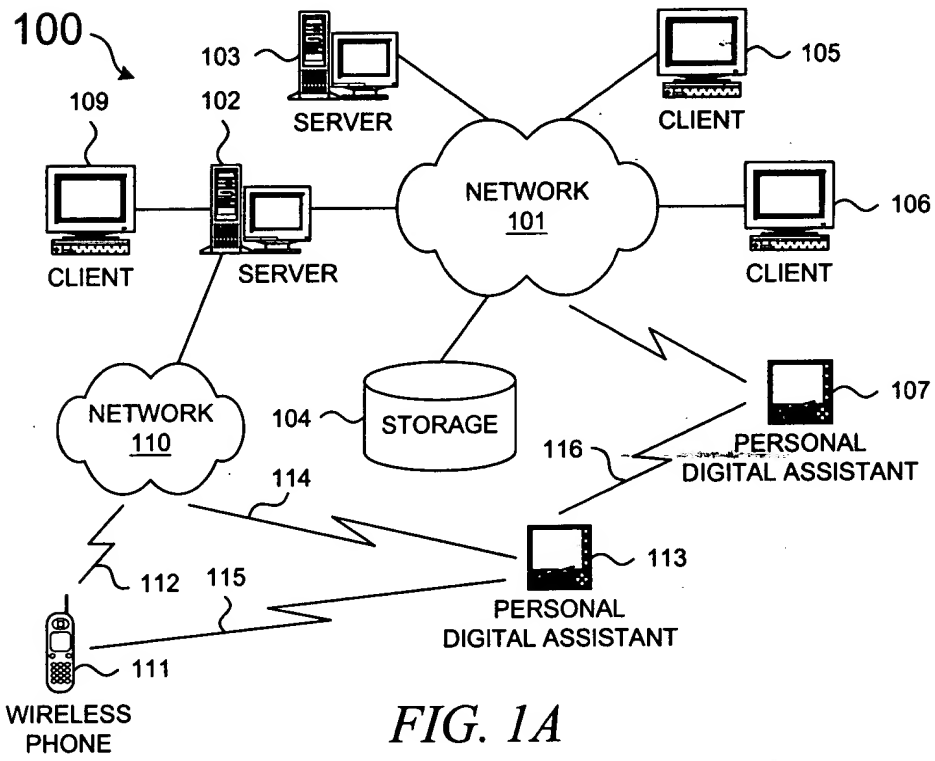

FIG. 1A
(PRIOR ART)

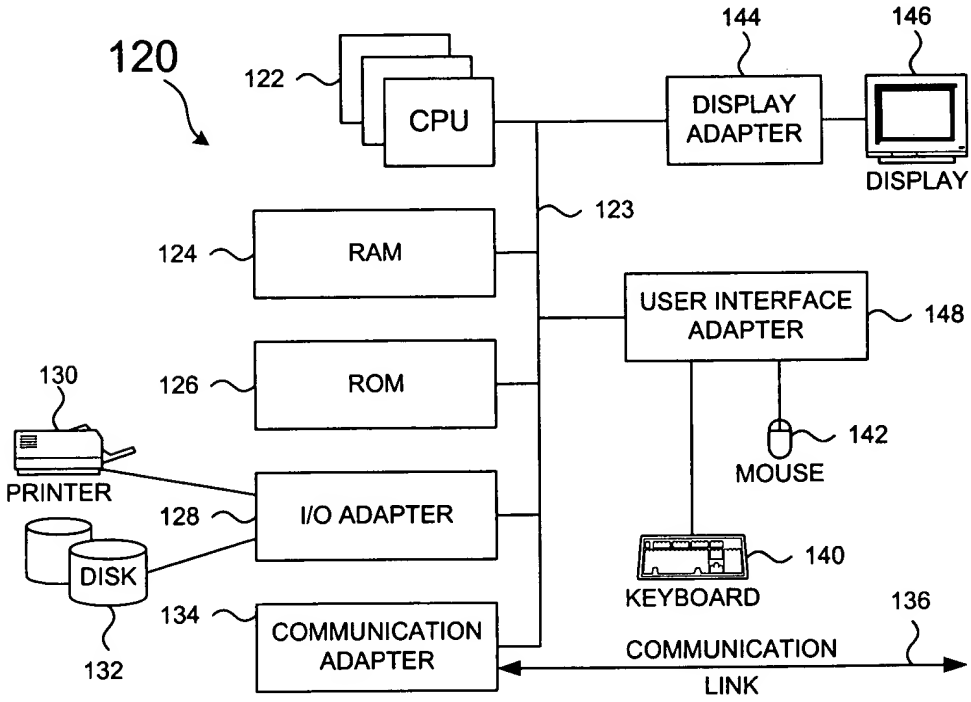

FIG. 1B
(PRIOR ART)

AUTHOR_ID (PK)	NAME	URL	DESCRIPTION
ADAM	ADAMS, JOHN	HTTP://...	"This author received an IEEE ..."
APON	APONE, KEVIN	HTTP://...	"After spending ten years in ..."
.	.	.	.
.	.	.	.
.	.	.	.

AUTH_TABLE 410

400

ISBN (PK)	AUTHOR_ID (PK)	SEQ_NO
0-08-882-111-4	ADAM	1
0-07-456-432-1	APON	4
.	.	.
.	.	.
.	.	.

BOOK_AUTH_TABLE 420

ISBN (PK)	TITLE	PUBLISHER_ID	URL	PRICE
0-08-882-111-4	BEYOND THE ARTIC	00989	HTTP://...	27.95
0-07-456-432-1	GUIDE TO JAVA	01432	HTTP://...	15.00
.	.	.	.	.
.	.	.	.	.
.	.	.	.	.

BOOK_TABLE 430

FIG. 4

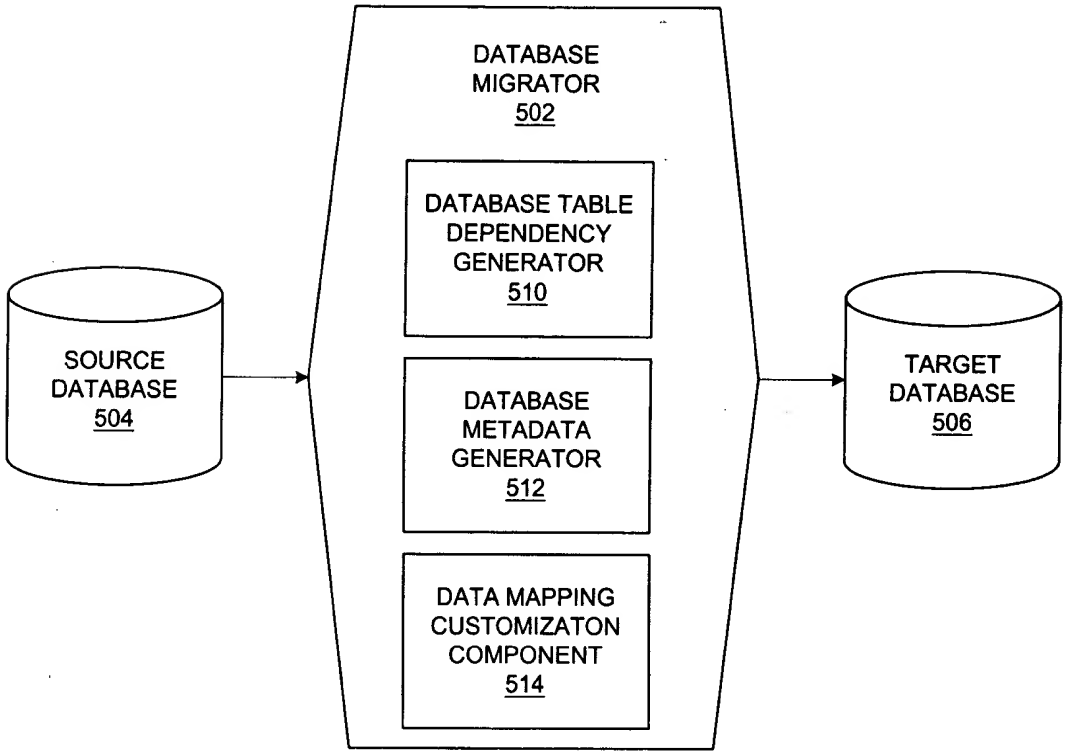
DATABASE
MIGRATOR
502
DATABASE TABLE
DEPENDENCY
GENERATOR
510
DATABASE
METADATA
GENERATOR
512
DATA MAPPING
CUSTOMIZATON
COMPONENT
514
SOURCE
DATABASE
504
TARGET
DATABASE
506

FIG. 5A

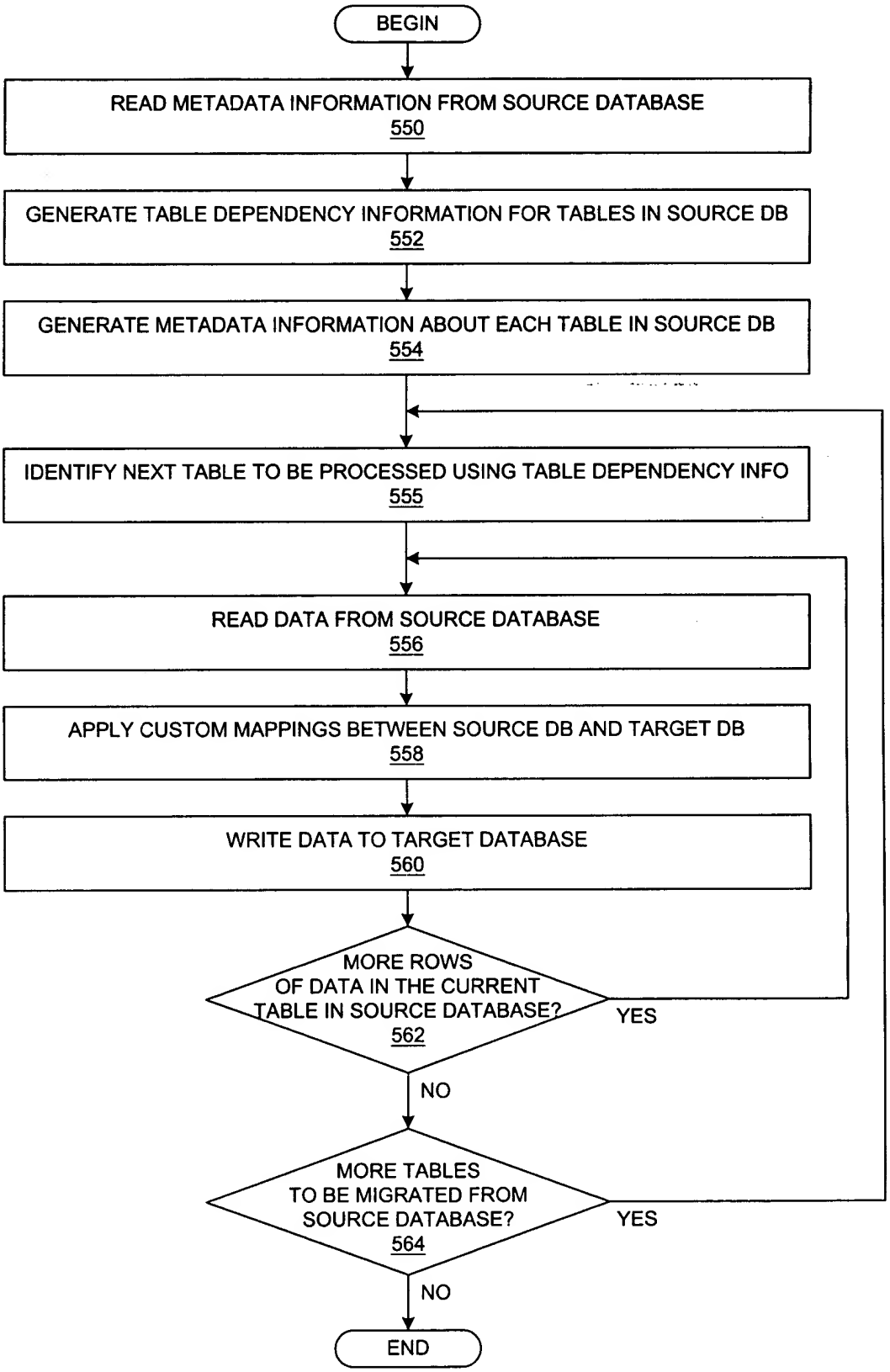
BEGIN
READ METADATA INFORMATION FROM SOURCE DATABASE
550
GENERATE TABLE DEPENDENCY INFORMATION FOR TABLES IN SOURCE DB
552
GENERATE METADATA INFORMATION ABOUT EACH TABLE IN SOURCE DB
554
IDENTIFY NEXT TABLE TO BE PROCESSED USING TABLE DEPENDENCY INFO
555
READ DATA FROM SOURCE DATABASE
556
APPLY CUSTOM MAPPINGS BETWEEN SOURCE DB AND TARGET DB
558
WRITE DATA TO TARGET DATABASE
560
MORE ROWS OF DATA IN THE CURRENT TABLE IN SOURCE DATABASE?
562
YES
NO
MORE TABLES TO BE MIGRATED FROM SOURCE DATABASE?
564
YES
NO
END

FIG. 5B

FIG. 6A

610

```
<Table name="AUTH_TABLE" numattributes="4">
 <PrimaryKey>
  <Field name="AUTHOR_ID" pos="1">
        <Type> VARCHAR2 </Type>
        <Nullable> FALSE </Nullable>
        <Length> 20 </Length>
  </Field>
 </PrimaryKey>
 <Field name="NAME" pos="2">
        <Type> VARCHAR2 </Type>
        <Nullable> FALSE </Nullable>
        <Length> 40 </Length>
 </Field>
 <Field name="URL" pos="3">
        <Type> VARCHAR2 </Type>
        <Nullable> FALSE </Nullable>
        <Length> 1024 </Length>
 </Field>
 <Field name="DESCRIPTION" pos="4">
        <Type> VARCHAR2 </Type>
        <Nullable> FALSE </Nullable>
        <Length> 512 </Length>
 </Field>
</Table>
```

620

```
<MappingRecord TargetTablename="T_AUTH_TABLE" >
   <SourceTableName> AUTH_TABLE </SourceTableName>
   <Field position="1">
      <TargetFieldName type= "String"> T_AUTHOR_ID </TargetFieldName>
      <SourceFieldName> AUTHOR_ID </SourceFieldName>
      <Truncatable> NO </Truncatable>
   </Field>
   <Field position="2">
      <TargetFieldName type= "String"> T_AUTHOR_NAME </TargetFieldName>
      <SourceFieldName> NAME </SourceFieldName>
      <Truncatable> NO </Truncatable>
   </Field>
   <Field position="3">
      <TargetFieldName type= "String"> T_URL </ClassField>
      <SourceFieldName> URL </SourceFieldName>
      <Truncatable> NO </Truncatable>
   </Field>
   <Field position="4">
      <TargetFieldName type= "String"> T_DESCRIPTION </TargetFieldName>
      <SourceFieldName> DESCRIPTION </SourceFieldName>
      <Truncatable> YES </Truncatable>
   </Field>
   <Field position="5" default="Unknown">
      <TargetFieldName type= "String"> T_LOCATION </TargetFieldName>
      <SourceFieldName></SourceFieldName>
   </Field>
</MappingRecord>
```

FIG. 6B

T_AUTHOR_ID	T_AUTHOR_NAME	T_URL	T_DESCRIPTION	T_LOCATION

AUTH_TABLE 630

FIG. 6C

```
<Table Name="AUTH_TABLE">
        <PrimaryKey>
                <Field name="AUTHOR_ID" type="VARCHAR2"></Field>
        </PrimaryKey>
        <Dependent Name="BOOK_AUTH_TABLE">
                <ForeignKey>
                        <Attribute position="1">
                                <Parent>AUTHOR_ID</Parent>
                                <Child>AUTHOR_ID</Child>
                        </Attibute>
                </ForeignKey>
        </Dependent>
</Table>

<Table Name="BOOK_AUTH_TABLE">
        <PrimaryKey>
                <Field name="ISBN" type="VARCHAR2"></Field>
        </PrimaryKey>
        <Dependent Name="BOOK_TABLE">
                <ForeignKey>
                        <Attribute position="1">
                                <Parent>ISBN</Parent>
                                <Child>ISBN</Child>
                        </Attibute>
                </ForeignKey>
        </Dependent>
</Table>

<Table Name="BOOK_TABLE">
        <PrimaryKey>
                <Field name="ISBN" type="VARCHAR2"></Field>
        </PrimaryKey>
</Table>
```

FIG. 6D